

tions of the various elements, features, functions and/or properties disclosed above and inherent to those skilled in the art pertaining to such inventions. Where the disclosure or subsequently filed claims recite “a” element, “a first” element, or any such equivalent term, the disclosure or claims should be understood to incorporate one or more such elements, neither requiring nor excluding two or more such elements.

**[0100]** Applicant(s) reserves the right to submit claims directed to combinations and sub-combinations of the disclosed inventions that are believed to be novel and non-obvious. Inventions embodied in other combinations and sub-combinations of features, functions, elements and/or properties may be claimed through amendment of those claims or presentation of new claims in the present application or in a related application. Such amended or new claims, whether they are directed to the same invention or a different invention and whether they are different, broader, narrower or equal in scope to the original claims, are to be considered within the subject matter of the inventions described herein.

1. A sealable enclosure configured to enclose an object that is to be heated, wherein heating of the sealable enclosure with the object sealed therein permits gas generated by the heating to vent out from the sealable enclosure into an ambient region surrounding the sealable enclosure while preventing ambient contaminants in the ambient region from entering into the sealable enclosure, the sealable enclosure comprising:

- a film layer with a fold formed therein, wherein the fold is defined by a fold line and two upper fold edges;
- a strip of heat sensitive adhesive extending along a length of the fold, wherein the strip of heat sensitive adhesive is proximate to the two upper fold edges of the fold; and
- a micro-pore portion that is located in the fold of the film layer between the fold line and the strip of heat sensitive adhesive,

wherein when a temperature of the strip of heat sensitive adhesive is less than a predefined release temperature, the strip of heat sensitive adhesive seals the two upper fold edges together to prevent ambient contaminants from entering into the sealable enclosure via the micro-pore portion.

2. The sealable enclosure of claim 1,

wherein in response to the heating of the sealable enclosure with the object sealed therein, gas is initially generated within the sealable enclosure by the heating of the object,

wherein gas pressure of the gas exerts a force that tends to open the fold that is sealed by the strip of heat sensitive adhesive such that the fold does not yet open, wherein in response to the strip of heat sensitive adhesive later reaching the predefined release temperature, the strip of heat sensitive adhesive releases so that the fold opens, and

wherein the pressurized gas vents out through the micro-pore portion into the surrounding ambient region while preventing ambient contaminants from entering into the sealable enclosure.

3. The sealable enclosure of claim 1,

wherein in response to the heating of the sealable enclosure with the object sealed therein, gas is initially generated within the sealable enclosure by the heating of the object,

wherein the gas vents out through the micro-pore into a cavity region in the fold formed between the fold line of the fold and the strip of heat sensitive adhesive, wherein in response to the strip of heat sensitive adhesive later reaching the predefined release temperature, the strip of heat sensitive adhesive releases so that the fold opens, and

wherein the pressurized gas vents out through the micro-pore portion into the surrounding ambient region while preventing ambient contaminants from entering into the sealable enclosure.

4. The sealable enclosure of claim 1, further comprising: a base portion that is sealably affixed to the film layer to form the sealable enclosure that encloses the object.

5. The sealable enclosure of claim 4, wherein the base portion that is sealably affixed to the film layer is made of a semi-rigid to rigid material that supports the object, and wherein the film layer is made of a flexible or semi-flexible material that permits the fold to open when the strip of heat sensitive adhesive releases.

6. The sealable enclosure of claim 4, wherein the base portion, the film layer and the fold therein is made from a single piece of flexible or semi-flexible material that permits the fold to open when the strip of heat sensitive adhesive releases.

7. The sealable enclosure of claim 6, wherein the fold is formed from an end portion of the base portion such that a first one of the two upper fold edges is at an edge of the base portion and a second one of the two upper fold edges is at a proximate portion of the film layer.

8. The sealable enclosure of claim 1, wherein the fold with the strip of heat sensitive adhesive is a first fold with a first strip of heat sensitive adhesive that releases at a first predefined release temperature, wherein the film layer has at least one second fold formed therein, wherein the second fold is defined by the fold line and the two upper fold edges, and further comprising:

- a second strip of heat sensitive adhesive extending along a length of and proximate to the two upper fold edges of the second fold; and
- a second micro-pore portion that is located in the second fold of the film layer between the fold line and the second strip of heat sensitive adhesive,

wherein when a temperature of the second strip of heat sensitive adhesive is less than a second predefined release temperature, the second strip of heat sensitive adhesive seals the two upper fold edges of the second fold together to prevent ambient contaminants from entering into the sealable enclosure via the second micro-pore portion.

9. The sealable enclosure of claim 8, wherein the first predefined release temperature and the second predefined release temperature are different such that the first strip of heat sensitive adhesive and the second strip of heat sensitive adhesive release at different temperatures so that the first fold and the second fold open at substantially different times.

10. A method of heating an object that is enclosed within a sealable enclosure, wherein heating of the sealable enclosure with the object sealed therein permits gas generated by the heating to vent out from the sealable enclosure into an ambient region surrounding the sealable enclosure while preventing ambient contaminants in the ambient region from entering into the sealable enclosure, wherein the sealable enclosure is defined by: